-520,193

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 15 January 2004 (15.01.2004)

PCT

(10) International Publication Number WO 2004/005983 A1

(51) International Patent Classification7: G02B 6/00, 26/00

(21) International Application Number:

PCT/IB2003/002402

(22) International Filing Date: 16 June 2003 (16.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 02077732.2

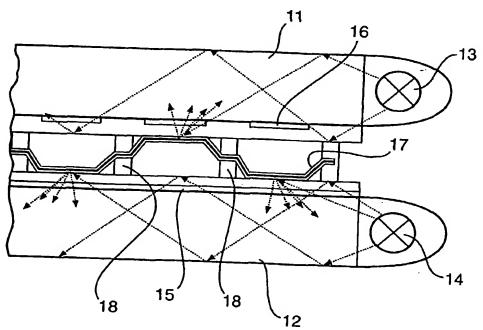
8 July 2002 (08.07.2002) EF

(71) Applicants (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, Eindhoven, 5621 BA (NL). CREEMERS, Tijsbert, M., H. [NL/NL]; c/o Prof. Hostlaan 6, Eindhoven, 5656 AA (NL). MARSH, Simon, R. [GB/NL]; c/o Prof. Holstlaan 6, Eindhoven, 5656 AA (NL).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SCHOELLMANN, Volker [DE/NL]; c/o Prof. Holstlaan 6, Eindhoven, 5656 AA (NL).
- (74) Agent: VAN DEN HOOVEN, Jan; Philips Intellectual Property & Standards, Prof. Holstlaan 6 (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: FOIL DISPLAY WITH TWO LIGHT GUIDES



(57) Abstract: A display device is described, which comprises a movable element (17) and selection means (15,16) for locally bringing the movable element into contact with a selected one of two light guides (11,12), arranged on either sides of the movable element. This provides an essentially symmetric display device, with one light guide on each side of the movable element. The display can display information in two directions, and the selection means can be controlled in a suitable way to activate selected portions of the guides. The invention can be used to provide a bi-directional display.